

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies.

Abbe, Cleveland.

Biographical memoir of Charles Anthony Schott, 1826-1901. Washington. 1915. 1 p. l., 87-133 p. front. 23½ cm. (National academy of sciences. Biographical memoirs, part of v. 8.) [With portrait.]

Académie des sciences, Paris.

Procès-verbaux des séances de l'Académie, tenues depuis la fondation de l'Institut jusqu'au mois d'août 1835. T. 1-4 (1795-1811). Hendaye. 1910-1914. 4v. 32½ cm.

Bengelsdorff, G.

Wie man für einen gewissen Ort im Voraus den wahrscheinlichen Gang der Temperaturvariationen während einer beliebigen zukünftigen Zeitperiode bestimmen kann. Helsingfors. [1915.] 1 p. l., 55-81 p. 2 pl. (Vergleichende Studien II, zweiter Abschnitt.)

Bremen. [Meteorologisches Observatorium.]

Deutsches meteorologisches Jahrbuch für 1913. Freie Hansestadt Bremen. Jahrgang 24. Bremen. 1914. iv, 88 p. 32 cm.

Canada. Meteorological service.

Report for the year ended December 31, 1912. Ottawa. 1915. 2 v. 29 cm.

Day, P[reston] C.

What the Weather Bureau is doing in agricultural meteorology. Rome. 1915. 4 p. 23 cm. (Reprinted from International institute of agriculture. Bureau of agricultural intelligence and plant diseases. Monthly bulletin, May, 1915.)

Dudley, P. H.

Forecast and chart of mild and cold winters. [New York. 1915.] 4 p. chart. 26½ cm. ([Published by the] New York Central Lines.)

Fontseré, Eduardo.

Desarrollo de la brisa marina en el litoral de Barcelona. Barcelona. 1915. 4 p. v charts. 30 cm. (Memorias de la Real academia de ciencias y artes, tercera época, v. 11, núm. 26.)

La estación sísmica del Observatorio Fabra y su funcionamiento durante el año 1914. Barcelona. 1915. 13 p. 30 cm. (Memorias de la Real academia de ciencias y artes, tercera época, v. 12, núm. 6.)

Hodgson, W. Earl.

How to fish. A treatise on trout & trout-fishes. London. 1907. xii, 377 p. 20½ cm. [Chapter 9, Influences of the weather.]

Hunsaker, J. C., and others.

Reports on wind tunnel experiments in aerodynamics. Washington. 1916. iii, 92 p. 5 pl. 24½ cm. (Smithsonian miscellaneous collections, v. 62, no. 4.)

Korea. Meteorological observatory.

Annual report for the year 1914. Chemulpo. 1915. v. p. 30½ cm.

Mascart, Jean.

La météorologie et l'aviation. Torino. 1915. 26 p. 24½ cm. (Estratto da Saggi di astronomia popolare, anno 5, 1915.) [In French.]

Montessus de Ballore, F. de.

El terremoto del 16 de Agosto de 1906. Santiago-Valparaiso. 1915. 407 p. 25½ cm. (Historia sísmica de los Andes Meridionales, quinta parte.)

Philippine Islands. Weather bureau.

Annual report for the year 1913. Part III: Meteorological observations made at the secondary stations. Manila. 1915. 331 p. 29½ cm.

Prussia. K. Meteorologisches Institut.

Aspirations-Psychrometer-Tafeln. 2. erweiterte Auflage. Braunschweig. 1914. xiv, 123 p. 32 cm.

Peters, O. S.

Protection of life and property against lightning. Washington. 1915. 127 p. plates. 25½ cm. (U. S. Bureau of standards. Technologic papers, no. 56.)

Quayle, E. T.

Relation between cirrus directions as observed in Melbourne and the approach of the various storm systems affecting Victoria. Melbourne. 1915. 27 p. plate. 30½ cm. (Australia. Commonwealth bureau of meteorology. Bulletin no. 10.)

Sievert, Otto.

Wandtafel zur Wetterveranschaulichung. Tafel 1: Wind und Wetter. Berlin. [1914.] chart, 91 x 77 cm.

Wandtafel zur Wetterveranschaulichung. Tafel 2: Zugstrassen und Wettertypen. Berlin. [1914.] chart, 92 x 77½ cm.

Tippenhauer, L. G.

Die elektromagnetische Theorie des Wetters. 2. Teil: Das Klima Westindiens während der Sonnenpfeckperiode 1901-1912. Port-au-Prince. 1916. 66 p. plate. 30 cm.

Venice. Ufficio idrografico.

Gli osservatori meteorologici della rete di 1º ordine. Venezia 1915. 24 p. plates. 26 cm.

Very, Frank W.

The photographic spectrography of the earth-shine, and a spectrophotometric comparison of the earth-shine with moonlight, skylight, and sunlight, together with a study of the difficulties of photographic comparisons. Kiel. 1915. p. 354-399. 29 cm. (Abdruck aus den Astr. Nachr., Nr. 4819-20, Band 201, Nov. 1915.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Aeronautical journal. London. v. 19. July-September, 1915.

Hankin, E. H. On the flight of sea gulls. p. 84-103. [Discusses atmospheric conditions of soaring flight.] American society of civil engineers. *Proceedings.* New York. v. 41. December, 1915.

American society of civil engineers. Progress report of the special committee on floods and flood prevention. p. 2771-2787.

Astrophysical journal. Chicago. v. 52. December, 1915.

Fowle, F[rederick] E[ugene]. Transparency of aqueous vapor. p. 394-411.

Electrical world. New York. v. 66. December 18, 1915.

Holmgren, Torsten. Protecting tower lines from sleet; nature of damage resulting from sleet storms—recommendations for designing transmission lines in Sweden. p. 1372.

Engineering news. New York. v. 74. December 23, 1915.

Boardman, H. P. Severe earthquake in Nevada. p. 1222-1223.

Franklin institute. *Journal.* Philadelphia. v. 181. January, 1916.

King, Louis Vessot. The linear hot-wire anemometer and its applications in technical physics. p. 1-25.

Geographical journal. London. v. 46. November, 1915.

Davison, Charles. Earthquakes in Great Britain. (1889-1914.) p. 357-374.

Meteorological society of Japan. Journal. Tokyo. 34th year. January, 1916.

Okada, T. Some researches in the far eastern seasonal correlations. (First note.) p. 19-36. [This REVIEW, Jan. 1916.]

Nature. London. v. 96. 1915.

Monuments and lightning. p. 286. (Nov. 11.) [Abstract of memoir by Galli.]

Atmospheric pollution. p. 442-444. (Dec. 16.)

Physical review. Lancaster. v. 7. January, 1916.

Wright, J. R., & Smith, C. F. The free ions in the atmosphere of the tropics. p. 49-61.

Allen, S. J. M. The radioactive deposit from the atmosphere on an uncharged wire. p. 133-138.

Royal society. Proceedings. London. ser. A. v. 92. no. 4 637. January 1, 1916.

Joly, J. On a method of estimating distances at sea in fog or thick weather. p. 170-175. [Discusses use of simultaneous radio-telegraphic, submarine, and aerial signals.]

Taylor, G. I. Skin friction of the wind on the earth's surface. p. 196-199.

School science and mathematics. Chicago. v. 16. January, 1916.

Barber, Fred. B. Indoor humidity. p. 52-56.

Scientific American. New York. v. 113. September 25, 1915.

Earthquake dangers in the United States. p. 286.